



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Hiroyasu Inoue et al.
Application No. : 10/613,525
Filed : July 3, 2003
For : OPTICAL RECORDING MEDIUM AND METHOD FOR
RECORDING AND REPRODUCING DATA

Examiner : Bruce H. Hess
Art Unit : 1774
Docket No. : 890050.433
Date : December 11, 2006

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

FOURTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT TRANSMITTAL

Commissioner for Patents:

In accordance with 37 CFR 1.56 and 1.97 through 1.98, applicants wish to make known to the U.S. Patent and Trademark Office the references set forth on the attached Fourth Supplemental Information Disclosure Statement. Copies of cited U.S. patents and published patent applications are not required and accordingly have not been provided. Copies of any other cited references are enclosed. As to any reference cited, applicants do not admit that it is "prior art" under 35 U.S.C. §§ 102 or 103, and specifically reserve the right to traverse or antedate any such reference, as by a showing under 37 CFR 1.131 or other method. Although the aforesaid references are made known to the Patent and Trademark Office in compliance with applicants' duty to disclose all information they are aware of which is believed relevant to the examination of the above-identified application, applicants believe that their invention is patentable.

The Information Disclosure Statement was necessitated by the Examiner's eight-way double patenting rejection, with which Applicants do not agree. However, if the Examiner believed the claims of the related cases were sufficiently similar to warrant a double patenting

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rejection, all of the art from the related cases might be considered relevant by the Examiner. Accordingly, the art is cited out of an abundance of caution. This is the reason for the submission and the basis of relevance provided by Applicants' attorney.

Please acknowledge receipt of this Fourth Supplemental Information Disclosure Statement and kindly make the cited references of record in the above-identified application.

A fee of \$180 is submitted in accordance with 37 CFR 1.97(c). The Director is authorized to charge any other fees which may be required, or credit any overpayment to Deposit Account No. 19-1090.

Respectfully submitted,
Seed Intellectual Property Law Group PLLC



Raymond W. Armentrout
Registration No. 45,866

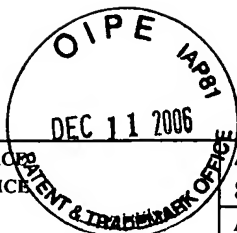
RWA:jr

Enclosures:

Check
Fourth Supplemental Information Disclosure Statement
Cited References (41)

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Sheet 1 of 5

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
890050.433APPLICATION NO.
10/613,525SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
(Use several sheets if necessary)

APPLICANTS

Hiroyasu Inoue et al.

FILING DATE

July 3, 2003

GROUP ART UNIT

1774

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	4,405,706	09/20/83	Takahashi et al.	430	271	
	AB	4,500,889	02/19/85	Wada et al.	346	1.1	
	AC	4,529,991	07/16/85	Wada et al.	346	76 L	
	AD	4,609,611	09/02/86	Sigyo et al.	430	270	
	AE	4,682,321	07/21/87	Takaoka et al.	369	284	
	AF	5,328,813	07/12/94	Strandjord et al.	430	321	
	AG	5,459,018	10/17/95	Akahira	430	270	
	AH	5,560,998	10/01/96	Oyamatsu et al.	428	694 ML	
	AI	5,818,808	10/06/98	Takada et al.	369	116	
	AJ	5,871,881	02/16/99	Nishida et al.	430	270.11	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AK	48-38	01/05/73	JP		
	AL	54133134	10/16/79	JP (+ Abstract in English)		
	AM	56124134	09/29/81	JP (+ Abstract in English)		
	AN	60219097	11/01/85	JP (+ Abstract in English)		
	AO	62226442	10/05/87	JP (+ Abstract in English)		

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AP	Narumi, K. et al., "45GB Rewritable Dual-Layer Phase-Change Optical Disk With A Transmittance Balanced Structure", Technical Digest, International Symposium on Optical Memory 2001, Grand Hotel, Taipei, Taiwan, October 16-19, 2001, pages 202 & 203.
	AQ	Nikkei Electronics, May 12, 2003, pp. 119-133.

EXAMINER

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* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. 890050.433	APPLICATION NO. 10/613,525
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	FILING DATE July 3, 2003	GROUP ART UNIT 1774

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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	BA	5,949,747	09/07/99	Miyashita et al.	369	54	
	BB	5,958,649	09/28/99	Hirotsune et al.	430	270.13	
	BC	6,278,680	08/21/01	Miyauchi et al.	369	112.01	
	BD	6,333,913	12/25/01	Yoshinari et al.	369	283	
	BE	6,404,712	06/11/02	Lee et al.	369	47.53	
	BF	6,404,713	06/11/02	Ueki	369	47.53	
	BG	6,416,837	07/09/02	Kojima et al.	428	64.1	
	BH	6,611,481	08/26/03	Koishi et al.	369	47.53	
	BI	6,660,451	12/09/03	Sakaue et al.	430	270.13	
	BJ	6,670,014	12/30/03	Nishihara et al.	428	64.1	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	BK	362226440	10/05/87	JP (+ Abstract in English)		
	BL	1-270528	10/27/89	JP (+ Abstract in English)		
	BM	3-5929	01/11/91	JP (+ Abstract in English)		
	BN	3-49054	03/01/91	JP (+ Abstract in English)		
	BO	4-298389	10/22/92	JP (+ Abstract in English)		

OTHER PRIOR ART *(Including Author, Title, Date, Pertinent Pages, Etc.)*

	BP	Kato, T., et al. "The phase change optical disc with the data recording rate of 140 Mbps", page 200 and 201.
	BQ	
	BR	

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	CA	6,791,926	09/14/04	Furumiya et al.	369	53.13	
	CB	6,929,840	08/16/05	Hosoda et al.	428	64.1	
	CC	7,018,694	03/28/06	Hosoda et al.	428	64.1	
	CD	2001/0017833	08/30/01	Yamada et al.	369	59.11	
	CE	2001/0041304	11/15/01	Uno et al.	430	270.13	
	CF	2002/0110063	08/15/02	Yamada et al.	369	47.39	
	CG	2002/0168587	11/14/02	Sakaue et al.	430	270.13	
	CH	2003/0228539	12/11/03	Hosoda et al.	430	270.13	
	CI	2004/0013069	01/22/04	Uno et al.	369	59.11	
	CJ	2004/0027652	02/12/04	Erdogan et al.	359	359	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	CK	5-159358	06/25/93	JP (+ Abstract in English)		
	CL	5-342631	12/24/93	JP (+ Abstract in English)		
	CM	5-342635	12/24/93	JP (+ Abstract in English)		
	CN	6-262854	09/20/94	JP (+ Abstract in English)		

OTHER PRIOR ART *(Including Author, Title, Date, Pertinent Pages, Etc.)*

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	DA	2004/0052176	03/18/04	Narumi et al.	369	47.39	
	DB	2004/0139459	07/15/04	Mishima et al.	720	718	
	DC	2004/0174796	09/09/04	Mizushima et al.	369	94	
	DD	2004/0190435	09/30/04	Hosoda et al.	369	283	
	DE	2004/0191685	09/30/04	Kakiuchi et al.	430	270.11	
	DF	2005/0047306	03/03/05	Inoue et al.	369	94	
	DG	2005/0094526	05/05/05	Kakiuchi et al.	369	59.11	
	DH	2005/0243676	11/03/05	Kato et al.	369	59.11	
	DI	2006/0013111	01/19/06	Inoue et al.	369	125	
	DJ						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	DK	7-235465	09/05/95	JP (+ Abstract in English)		
	DL	9-7176	01/10/97	JP (+ Abstract in English)		
	DM	410143919	05/29/98	JP (+ Abstract in English)		
	DN	2 336 463	10/20/99	GB		
	DO	2000-222764	08/11/00	JP (+ Abstract in English)		
	DP	2000-285509	10/13/00	JP (+ Abstract in English)		
	DQ	2000-297365	10/24/00	JP (+ Abstract in English)		
	DR	2001101709	04/13/01	JP (+ Abstract in English)		
	DS	1 122 723	08/08/01	EP		
	DT	2001-222819	08/17/01	JP (+ Abstract in English)		

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	EA						
	EB						
	EC						
	ED						
	EE						
	EF						

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		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	EK	2001266402	09/28/01	JP (+ Abstract in English)		
	EL	2001-322357	11/20/01	JP (+ Abstract in English)		
	EM	WO 02/29787 A1	04/11/02	WIPO		
	EN	1 215 669 A2	06/19/02	EP		
	EO	1365108 A	08/21/02	CN (+ Abstract in English)		
	EP	2002-329348	11/15/02	JP (+ Abstract in English)		
	EQ	03025924	03/27/03	WO (+ Abstract in English)		
	ER	2003105738	04/09/03	JP (+ Abstract in English)		
	ES	2003-178448	06/27/03	JP (+ Abstract in English)		
	ET	2003-260874	09/16/03	JP (+ Abstract in English)		
	EU	2003-326848	11/19/03	JP (+ Abstract in English)		
	EV	2004-39177	02/05/04	JP (+ Abstract in English)		
	EW	2004-87073	03/18/04	JP (+ Abstract in English)		
	EX	2004-158134	06/03/04	JP (+ Abstract in English)		

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